

Special



Image for illustrative purpose only

Summary

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high voltage connector Y S E 05 LEMO

[Customer Drawing](#)

| | |
|---------------------------------|--------------------------------|
| Number of contacts High Voltage | 1 |
| Wire Size/AWG | 30 - 22 |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Size | 1S |
| Suggested matching part | ERA.1S.408.CLL |
| Series | S - Indoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffr-1s-408-clae61.html

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Technical details

Electrical Configuration

| | |
|-------------------------------------|---------------------------|
| Number of contacts High Voltage | 1 |
| Contact Termination High voltage | Solder |
| Insert configuration value | 15.408 - 1 High Voltage |
| Footprint IPC Class3 compatibility | No |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 6 A |
| Rear of connector must be protected | ATUM |
| Test voltage (kV DC) | 18 |
| Creepage distance | 20.4 mm |
| Contact Dia. | 0.9 |
| Wire Size/AWG | 30 - 22 |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FFR - Straight plug for cable crimping with safety ring |
| Plug | Straight |
| Housing material | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system | Push-pull |
| Keying | Circular, male |
| Colour | Grey |
| Weight | 13.87 g |

Environment

| | |
|-----------------------------------|---|
| Technical domain | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental sealing (IP rating) | IP50 |
| Endurance | 5000 mating cycles |
| Temperature range | -55°C / +250°C (max. temperature valid for short periods of use.) |
| Climatic Category | 55/175/21 |
| Humidity (max) | <=95% [at 60 deg C /140 F] |
| Shielding (min) | 75 dB (10 MHz) |
| Shielding (min) | 40 dB (1 GHz) |
| Shock Resistance | 100 g [6 ms] |
| Vibration | 15 g [10 Hz - 2000 Hz] |
| Salt Spray Corrosion | >1000 hr |

Cable fixation

| | |
|------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Crimp |

Recommended By Lemo

Accessories

| | |
|----------------|---------------------------------|
| Compatible cap | BFG.1B.100.PCZG |
|----------------|---------------------------------|

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